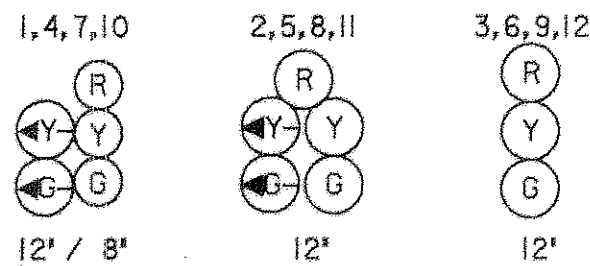


PHASE III CONSTRUCTION DETAILS

- A. EXISTING CABINET/CONTROLLER ARE TO BE UTILIZED.
B. USE EXISTING STRAIN POLE.
C. USE EXISTING CONDUIT.
D. USE EXISTING HANDHOLE.
E. INSTALL 1 IN. LIQUID-TIGHT, NON-METALLIC CONDUIT FOR LOOP DETECTOR SLEEVE.
F. INSTALL HANDHOLE.
G. INSTALL 24 IN. PREFORMED WHITE PAVEMENT MARKING TAPE FOR STOP LINE.
H. NOT USED.
J. INSTALL 6 FT. X 30 FT. QUADRUPOLE-TYPE VEHICLE LOOP DETECTOR DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.
K. MICRO LOOP PROBE TYPE VEHICLE DETECTOR.
L. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 40) ELECTRICAL CONDUIT - TRENCHED.
M. INSTALL 3 IN. POLYVINYL CHLORIDE (SCH. 80) ELECTRICAL CONDUIT - TRENCHED.
N. USE EXISTING SPAN WIRE.
O. REMOVE EXISTING HANDHOLE.
P. CAP AND ABANDON EXISTING CONDUIT.
Q. INSTALL 3 IN. POLYVINYL CHLORIDE (SCH. 80) ELECTRICAL CONDUIT - TRENCHED.
R. MAINTAIN EXISTING VEHICLE DETECTOR.
S. ABANDON EXISTING VEHICLE DETECTOR.

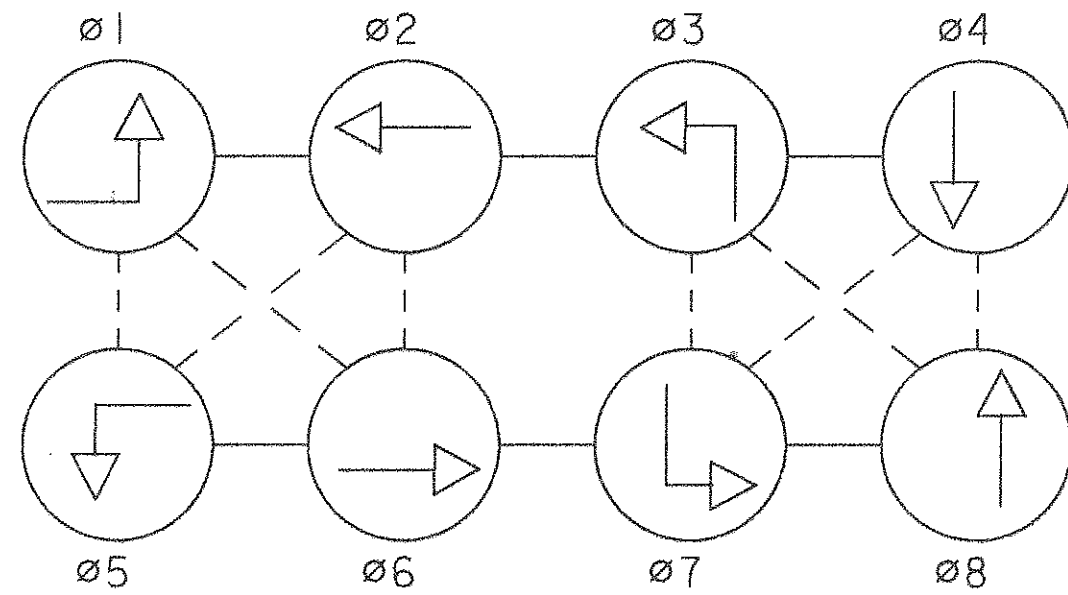
SIGNAL HEADS



NOTE: ALL SIGNALS AND SIGNS ARE EXISTING AND ARE TO REMAIN.

MD 450 ASSUMED TO RUN IN AN EAST - WEST DIRECTION

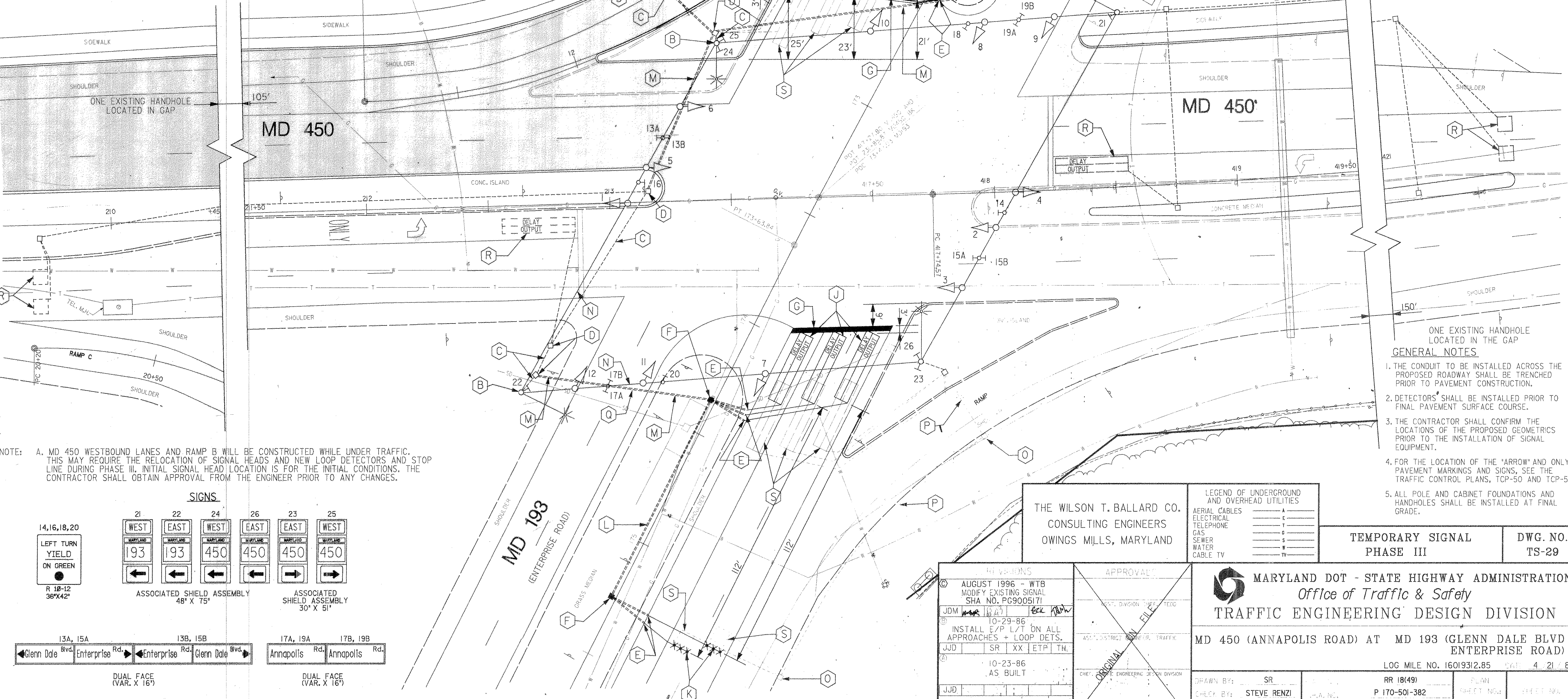
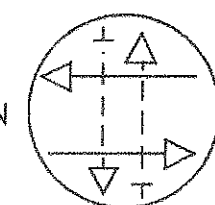
NEMA PHASING



PHASING NOTES

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

FLASHING OPERATION



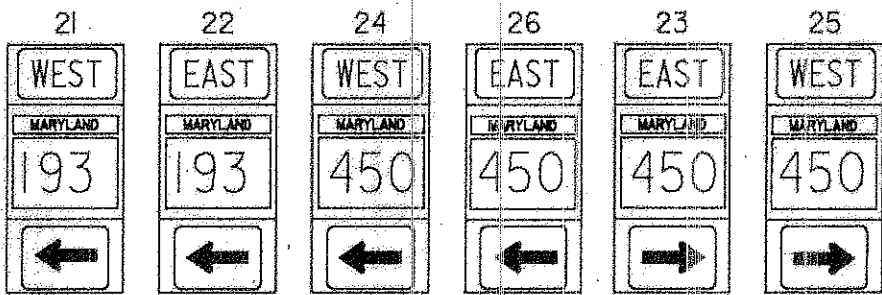
NOTE: A. MD 450 WESTBOUND LANES AND RAMP B WILL BE CONSTRUCTED WHILE UNDER TRAFFIC. THIS MAY REQUIRE THE RELOCATION OF SIGNAL HEADS AND NEW LOOP DETECTORS AND STOP LINE DURING PHASE III. INITIAL SIGNAL HEAD LOCATION IS FOR THE INITIAL CONDITIONS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO ANY CHANGES.

SIGNS

14, 16, 18, 20

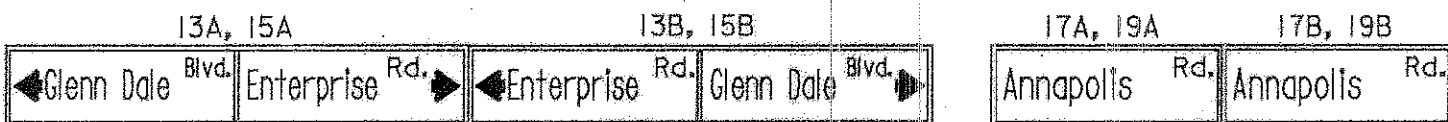


R 10-12 36"X42"



ASSOCIATED SHIELD ASSEMBLY 48' X 75'

ASSOCIATED SHIELD ASSEMBLY 30' X 51'



DUAL FACE (VAR. X 16')

DUAL FACE (VAR. X 16')

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLES
ELECTRICAL
TELEPHONE
GAS
SEWER
WATER
CABLE TV

TEMPORARY SIGNAL
PHASE III

DWG. NO.
TS-29



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 450 (ANNAPOLIS ROAD) AT MD 193 (GLENN DALE BLVD / ENTERPRISE ROAD)

LOG MILE NO. 16019312.85

DRAWN BY: SR
CHECK BY: STEVE RENZI
DATE: 10-23-86
RR 18(49)
P 170-501-382
PRINCE GEORGES
PLAN
SHEET NO.
TS-1821C-X2-G1
375 OF 465